

LOC	OBJ	SEQ	SOURCE STATEMENT
		1	\$title ('COM Externals')
		2	name mcd80a
		3	CSEG
		4	; September 14, 1982
		5	
0000		6	offset equ 0000h
		7	
		8	
		9	EXTRN PLM
		10	
		11	; EXTERNAL ENTRY POINTS
		12	
0005		13	mon1 equ 0005h+offset
0005		14	mon2 equ 0005h+offset
0005		15	mon2a equ 0005h+offset
0005		16	mon3 equ 0005h+offset
		17	public mon1,mon2,mon2a,mon3
		18	
		19	; EXTERNAL BASE PAGE DATA LOCATIONS
		20	
0003		21	iobyte equ 0003h+offset
0004		22	bdisk equ 0004h+offset
0006		23	maxb equ 0006h+offset
0006		24	memsiz equ maxb
0050		25	cmdrv equ 0050h+offset
0051		26	pass0 equ 0051h+offset
0053		27	len0 equ 0053h+offset
0054		28	pass1 equ 0054h+offset
0056		29	len1 equ 0056h+offset
005C		30	fcba equ 005ch+offset
005C		31	fcba equ fcb
005C		32	sfcba equ fcb
005C		33	ifcfa equ fcb
005C		34	ifcfa equ fcb
006C		35	fcba16 equ 006ch+offset
006D		36	dolla equ 006dh+offset
006E		37	parma equ 006eh+offset
007C		38	cr equ 007ch+offset
007D		39	rr equ 007dh+offset
007D		40	rreca equ rr
007F		41	ro equ 007fh+offset
007F		42	rreco equ ro
0080		43	tbuff equ 0080h+offset
0080		44	buff equ tbuff
0080		45	buffa equ tbuff
0000		46	cpu equ 0 ; 0 = 8080, 1 = 8086/88, 2 = 68000
		47	
		48	public iobyte,bdisk,maxb,memsiz
		49	public cmdrv,pass0,len0,pass1,len1
		50	public fcb,fcba,sfcba,ifcfa,ifcfa,fcba16
		51	public cr,rr,rreca,ro,rreco,dolla,parma
		52	public buff,tbuff,buffa,cpu

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SER. # *CP3-135*

LOC	OBJ	SEQ	SOURCE STATEMENT
		53	
		54	
		55	*****
		56	; The interface should proceed the program
		57	; so that TRINT becomes the entry point for the
		58	; COM file. The stack is set and memsiz is set
		59	; to the top of memory. Program termination is done
		60	; with a return to preserve R/O diskettes.
		61	*****
		62	
		63 ;	EXECUTION BEGINS HERE
		64	
0000	310000	S 65	lxi sp, stack
0003	C30000	E 66	JMP PLM
		67	
		68 ;	PATCH AREA, DATE, VERSION & SERIAL NOS.
		69	
0006	0000	70	dw 0,0,0,0,0,0,0,0
0008	0000		
000A	0000		
000C	0000		
000E	0000		
0010	0000		
0012	0000		
0014	0000		
0016	0000	71	dw 0,0,0,0,0,0,0,0
0018	0000		
001A	0000		
001C	0000		
001E	0000		
0020	0000		
0022	0000		
0024	0000		
0026	0000	72	dw 0,0,0,0,0,0,0,0
0028	0000		
002A	0000		
002C	0000		
002E	0000		
0030	0000		
0032	0000		
0034	0000		
0036	0000	73	dw 0,0,0,0,0
0038	0000		
003A	0000		
003C	0000		
003E	0000		
		74	
0040	43502F4D	75	db 'CP/M Version 3.0'
0044	20566572		
0048	73696F6E		
004C	20332E30		
0050	434F5059	76	db 'COPYRIGHT 1982, '
0054	52494748		
0058	54203139		
005C	38322C20		

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SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
0060	44494749	77	db 'DIGITAL RESEARCH'
0064	54414C20		
0068	52455345		
006C	41524348		
0070	31353132	78	db '151282' ; version date day-month-year
0074	3832		
0076	00	79	db 0,0,0,0 ; patch bit map
0077	00		
0078	00		
0079	00		
007A	36353433	80	db '654321' ; Serial no.
007E	3231		
		81	
		82	END

PUBLIC SYMBOLS

BDISK A 0004	BUFF A 0080	BUFFA A 0080	CMDRV A 0050	CPU A 0000	CR A 007C	DOLLA A 006D
FCB A 005C	FCB16 A 006C	FCBA A 005C	IFCB A 005C	IFCBA A 005C	IOBYTE A 0003	LEN0 A 0053
LEN1 A 0056	MAXB A 0006	MEMSIZ A 0006	MON1 A 0005	MON2 A 0005	MON2A A 0005	MON3 A 0005
PARMA A 006E	PASS0 A 0051	PASS1 A 0054	RO A 007F	RR A 007D	RRECA A 007D	RRECD A 007F
SFCB A 005C	TBUFF A 0080					

EXTERNAL SYMBOLS

PLM E 0000

USER SYMBOLS

BDISK A 0004	BUFF A 0080	BUFFA A 0080	CMDRV A 0050	CPU A 0000	CR A 007C	DOLLA A 006D
FCB A 005C	FCB16 A 006C	FCBA A 005C	IFCB A 005C	IFCBA A 005C	IOBYTE A 0003	LEN0 A 0053
LEN1 A 0056	MAXB A 0006	MEMSIZ A 0006	MON1 A 0005	MON2 A 0005	MON2A A 0005	MON3 A 0005
OFFSET A 0000	PARMA A 006E	PASS0 A 0051	PASS1 A 0054	PLM E 0000	RO A 007F	RR A 007D
RRECA A 007D	RRECD A 007F	SFCB A 005C	TBUFF A 0080			

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SER. #

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SER. # _____

name 'COM Externals - MCD80D'
CSEG
; August 2, 1982
; PATCH AREA, DATE, VERSION & SERIAL NOS.

0000 0000000000 dw 0,0,0,0,0,0,0,0
0010 0000000000 dw 0,0,0,0,0,0,0,0
0020 0000000000 dw 0,0,0,0,0,0,0,0
0030 0000000000 dw 0,0,0,0,0,0,0,0

0040 43502F4D20 db 'CP/M Version 3.0'
0050 434F505952 db 'COPYRIGHT 1982, '
0060 4449474954 db 'DIGITAL RESEARCH'
0070 3135313238 db '151282' ; version date day-month-year
0076 00000000 db 0,0,0,0 ; patch bit map
007A 3635343332 db '654321' ; Serial no.

0080 END

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SER. # *CPB-135*

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SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
		1	\$title ('COM Externals')
		2	name mcd80b
		3	CSEG
		4	; August 2, 1982
		5	
0000		6	offset equ 0000h
		7	
		8	
		9	EXTRN PLM
		10	
		11	; EXTERNAL ENTRY POINTS
		12	
0005		13	mon1 equ 0005h+offset
0005		14	mon2 equ 0005h+offset
0005		15	mon2a equ 0005h+offset
0005		16	mon3 equ 0005h+offset
		17	public mon1,mon2,mon2a,mon3
		18	
		19	; EXTERNAL BASE PAGE DATA LOCATIONS
		20	
0003		21	iobyte equ 0003h+offset
0004		22	bdisk equ 0004h+offset
0006		23	maxb equ 0006h+offset
0006		24	memsiz equ maxb
0050		25	cmdrv equ 0050h+offset
0051		26	pass0 equ 0051h+offset
0053		27	len0 equ 0053h+offset
0054		28	pass1 equ 0054h+offset
0056		29	len1 equ 0056h+offset
005C		30	fcba equ 005ch+offset
005C		31	fcba equ fcba
005C		32	sfcba equ fcba
005C		33	ifcba equ fcba
005C		34	ifcba equ fcba
006C		35	fcba16 equ 006ch+offset
006D		36	dolla equ 006dh+offset
006E		37	parma equ 006eh+offset
007C		38	cr equ 007ch+offset
007D		39	rr equ 007dh+offset
007D		40	rreca equ rr
007F		41	ro equ 007fh+offset
007F		42	rreco equ ro
0080		43	tbuff equ 0080h+offset
0080		44	buff equ tbuff
0080		45	buffa equ tbuff
0000		46	cpu equ 0 ; 0 = 8080, 1 = 8086/88, 2 = 68000
		47	
		48	public iobyte,bdisk,maxb,memsiz
		49	public cmdrv,pass0,len0,pass1,len1
		50	public fcba,fcba,sfcba,ifcba,ifcba,fcba16
		51	public cr,rr,rreca,ro,rreco,dolla,parma
		52	public buff,tbuff,buffa,cpu,reset

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SER. # CPB-135

LOC	OBJ	SEQ	SOURCE STATEMENT
		53	
		54	
		55	*****
		56	; The interface should proceed the program
		57	; so that TRINT becomes the entry point for the
		58	; COM file. The stack is set and memsiz is set
		59	; to the top of memory.
		60	*****
		61	
0005		62	bdos equ moni
001B		63	getalv equ 27
001F		64	getdpb equ 31
		65	
		66	; EXECUTION BEGINS HERE
		67	
		68	reset:
		69	trint:
0000	310000	S 70	lxi sp, stack
0003	CD0000	E 71	call plm ; call program
0006	0E00	72	mvi c,0
0008	CD0500	73	call bdos
		74	
		75	; PATCH AREA, DATE, VERSION & SERIAL NOS.
		76	
000B	0000	77	dw 0,0,0,0,0,0,0,0
000D	0000		
000F	0000		
0011	0000		
0013	0000		
0015	0000		
0017	0000		
0019	0000		
001B	0000	78	dw 0,0,0,0,0,0,0,0
001D	0000		
001F	0000		
0021	0000		
0023	0000		
0025	0000		
0027	0000		
0029	0000		
002B	0000	79	dw 0,0,0,0,0,0,0,0
002D	0000		
002F	0000		
0031	0000		
0033	0000		
0035	0000		
0037	0000		
0039	0000		
003B	0000	80	dw 0,0
003D	0000		
003F	00	81	db 0
		82	
0040	43502F4D	83	db 'CP/M Version 3.0'
0044	20566572		
0048	73696F6E		

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SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
004C	20332E30		
0050	434F5059	84	db 'COPYRIGHT 1982, '
0054	52494748		
0058	54203139		
005C	38322C20		
0060	44494749	85	db 'DIGITAL RESEARCH'
0064	54414C20		
0068	52455345		
006C	41524348		
0070	31353132	86	db '151282' ; version date day-month-year
0074	3832		
0076	00	87	db 0,0,0,0 ; patch bit map
0077	00		
0078	00		
0079	00		
007A	36353433	88	db '654321' ; Serial no.
007E	3231		
		89	
		90	END

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SER. # _____

PUBLIC SYMBOLS

BDISK A 0004	BUFF A 0080	BUFFA A 0080	CMDRV A 0050	CPU A 0000	CR A 007C	DOLLA A 006D
FCB A 005C	FCB16 A 006C	FCRA A 005C	IFCB A 005C	IFCBA A 005C	IOBYTE A 0003	LENO A 0053
LEN1 A 0056	MAXB A 0006	MEMSIZ A 0006	MON1 A 0005	MON2 A 0005	MON2A A 0005	MON3 A 0005
PARMA A 006E	PASS0 A 0051	PASS1 A 0054	RESET C 0000	RO A 007F	RR A 007D	RRECA A 007D
RRECO A 007F	SFCB A 005C	TBUFF A 0080				

EXTERNAL SYMBOLS

PLM E 0000

USER SYMBOLS

BDISK A 0004	BDOS A 0005	BUFF A 0080	BUFFA A 0080	CMDRV A 0050	CPU A 0000	CR A 007C
DOLLA A 006D	FCB A 005C	FCB16 A 006C	FCRA A 005C	GETALV A 001B	GETDPB A 001F	IFCB A 005C
IFCBA A 005C	IOBYTE A 0003	LENO A 0053	LEN1 A 0056	MAXB A 0006	MEMSIZ A 0006	MON1 A 0005
MON2 A 0005	MON2A A 0005	MON3 A 0005	OFFSET A 0000	PARMA A 006E	PASS0 A 0051	PASS1 A 0054
PLM E 0000	RESET C 0000	RO A 007F	RR A 007D	RRECA A 007D	RRECO A 007F	SFCB A 005C
TBUFF A 0080	TRINT C 0000					

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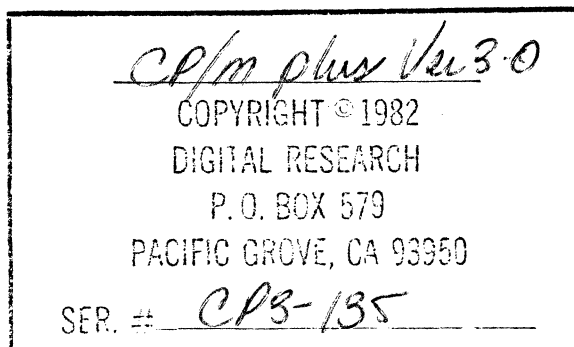
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PACIFIC GROVE, CA 93950

SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
		1	\$title ('Filename Parser')
		2	name Parse
		3	public parse
		4	CSEG
		5	; BC->.(.filename,.fcb)
		6	;
		7	; filename = [d:]file[.type][;password]
		8	;
		9	; fcb assignments
		10	;
		11	; 0 => drive, 0 = default, 1 = A, 2 = B, ...
		12	; 1-8 => file, converted to upper case,
		13	; padded with blanks
		14	; 9-11 => type, converted to upper case,
		15	; padded with blanks
		16	; 12-15 => set to zero
		17	; 16-23 => password, converted to upper case,
		18	; padded with blanks
		19	; 24-25 => address of password field in 'filename',
		20	; set to zero if password length = 0
		21	; 26 => length of password (0 - 8)
		22	;
		23	; Upon return, HL is set to FFFFH if BC locates
		24	; an invalid file name;
		25	; otherwise, HL is set to 0000H if the delimiter
		26	; following the file name is a 00H (NULL)
		27	; or a 0DH (CR);
		28	; otherwise, HL is set to the address of the delimiter
		29	; following the file name.
		30	;
0000	210000	31	parse: lxi h,0
0003	E5	32	push h
0004	E5	33	push h
0005	60	34	mov h,b
0006	69	35	mov l,c
0007	5E	36	mov e,n
0008	23	37	inx h
0009	56	38	mov d,n
000A	23	39	inx h
000B	7E	40	mov a,n
000C	23	41	inx h
000D	66	42	mov h,n
000E	6F	43	mov l,a
000F	CD3D01	C 44	call deblnk
0012	CDFB00	C 45	call delim
0015	C22100	C 46	jnz parse1
0018	79	47	mov a,c
0019	87	48	ora a
001A	C2A300	C 49	jnz parse9
001D	77	50	mov m,a
001E	C35200	C 51	jmp parse3
0021	47	52	parse1: mov b,a



LOC	OBJ	SER	SOURCE STATEMENT
0022	13	53	inx d
0023	1A	54	ldax d
0024	FE3A	55	cpi ':'
0026	C24F00	C 56	jnz parse2
0029	78	57	mov a,b
002A	D641	58	sui 'A'
002C	DAA300	C 59	jc parse9
002F	FE10	60	cpi 16
0031	D2A300	C 61	jnc parse9
0034	3C	62	inr a
0035	77	63	mov m,a
0036	13	64	inx d
0037	CDFB00	C 65	call delim
003A	C25200	C 66	jnz parse3
003D	FE2E	67	cpi ','
003F	CAA300	C 68	jz parse9
0042	FE3A	69	cpi ':'
0044	CAA300	C 70	jz parse9
0047	FE38	71	cpi ':'
0049	CAA300	C 72	jz parse9
004C	C35200	C 73	jmp parse3
004F	1B	74	parse2: dcx d
0050	3600	75	mvi m,0
0052	0608	76	parse3: mvi b,8
0054	CDA900	C 77	call setfld
0057	0603	78	mvi b,3
0059	FE2E	79	cpi ','
005B	CA6400	C 80	jz parse4
005E	CDF300	C 81	call padfld
0061	C36800	C 82	jmp parse5
0064	13	83	parse4: inx d
0065	CDA900	C 84	call setfld
0068	0604	85	parse5: mvi b,4
006A	23	86	parse6: inx h
006B	3600	87	mvi m,0
006D	05	88	dcr b
006E	C26A00	C 89	jnz parse6
0071	0608	90	mvi b,8
0073	FE38	91	cpi ':'
0075	CA7E00	C 92	jz parse7
0078	CDF300	C 93	call padfld
007B	C38200	C 94	jmp parse8
007E	13	95	parse7: inx d
007F	CDCC00	C 96	call pwfld
0082	D5	97	parse8: push d
0083	CD3D01	C 98	call deblk
0086	CDFB00	C 99	call delim
0089	C29100	C 100	jnz pars81
008C	33	101	inx sp
008D	33	102	inx sp
008E	C39200	C 103	jmp pars82
0091	D1	104	pars81: pop d
0092	79	105	pars82: mov a,c
0093	B7	106	ora a
0094	C1	107	pop b

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SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
0095	79	108	mov a,c
0096	C1	109	pop b
0097	23	110	inx h
0098	71	111	mov m,c
0099	23	112	inx h
009A	70	113	mov m,b
009B	23	114	inx h
009C	77	115	mov m,a
009D	EB	116	xchg
009E	C0	117	rnz
009F	210000	118	lxi h,0
00A2	C9	119	ret
00A3	E1	120	parse9: pop h
00A4	E1	121	pop h
00A5	21FFFF	122	lxi h,0ffffh
00A8	C9	123	ret
		124	
00A9	CDFB00	C 125	setfld: call delim
00AC	CAF300	C 126	jz padfld
00AF	23	127	inx h
00B0	FE2A	128	cpi '*'
00B2	C2BE00	C 129	jnz setfd1
00B5	363F	130	mvi m,'?'
00B7	05	131	dcr b
00B8	C2A900	C 132	jnz setfld
00BB	C3C000	C 133	jmp setfd2
00BE	77	134	setfd1: mov m,a
00BF	05	135	dcr b
00C0	13	136	setfd2: inx d
00C1	C2A900	C 137	jnz setfld
00C4	CDFB00	C 138	setfd3: call delim
00C7	C8	139	rz
00C8	E1	140	pop h
00C9	C3A300	C 141	jmp parse9
		142	
00CC	CDFB00	C 143	pwfld: call delim
00CF	CAF300	C 144	jz padfld
00D2	33	145	inx sp
00D3	33	146	inx sp
00D4	33	147	inx sp
00D5	33	148	inx sp
00D6	33	149	inx sp
00D7	33	150	inx sp
00D8	D5	151	push d
00D9	E5	152	push h
00DA	2E00	153	mvi l,0
00DC	E3	154	xthl
00DD	3B	155	dcx sp
00DE	3B	156	dcx sp
00DF	33	157	pwfld1: inx sp
00E0	33	158	inx sp
00E1	E3	159	xthl
00E2	2C	160	inr l
00E3	E3	161	xthl
00E4	3B	162	dcx sp

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SER. #

LOC	OBJ	SEQ	SOURCE STATEMENT
00E5	3B	163	dcx sp
00E6	23	164	inx h
00E7	77	165	mov m,a
00E8	13	166	inx d
00E9	05	167	dcr b
00EA	CAC400	C 168	jz setfd3
00ED	CDFB00	C 169	call delim
00F0	C2DF00	C 170	jnz pwfld1
		171	jmp padfld
		172	
00F3	23	173	padfld: inx h
00F4	3620	174	mvi m,' '
00F6	05	175	dcr b
00F7	C2F300	C 176	jnz padfld
00FA	C9	177	ret
		178	
00FB	1A	179	delim: ldax d
00FC	4F	180	mov c,a
00FD	B7	181	ora a
00FE	C8	182	rz
00FF	0E00	183	mvi c,0
0101	FE0D	184	cpi 0dh
0103	C8	185	rz
0104	4F	186	mov c,a
0105	FE09	187	cpi 09h
0107	C8	188	rz
0108	FE20	189	cpi ' '
010A	DA3901	C 190	jc delim2
010D	C8	191	rz
010E	FE2E	192	cpi ','
0110	C8	193	rz
0111	FE3A	194	cpi ':'
0113	C8	195	rz
0114	FE3B	196	cpi ';'
0116	C8	197	rz
0117	FE3D	198	cpi '='
0119	C8	199	rz
011A	FE2C	200	cpi ','
011C	C8	201	rz
011D	FE2F	202	cpi '/'
011F	C8	203	rz
0120	FE5B	204	cpi '['
0122	C8	205	rz
0123	FE5D	206	cpi ']'
0125	C8	207	rz
0126	FE3C	208	cpi '<'
0128	C8	209	rz
0129	FE3E	210	cpi '>'
012B	C8	211	rz
012C	FE61	212	cpi 'a'
012E	D8	213	rc
012F	FE7B	214	cpi 'z'+1
0131	D23601	C 215	jnc delim1
0134	E65F	216	ani 05fh
0136	E67F	217	delim1: ani 07fh

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 SER. # _____

LOC	OBJ	SEQ	SOURCE STATEMENT
0138	C9	218	ret
0139	E1	219	delim2: pop h
013A	C3A300	C 220	jmp parse9
		221	
013D	1A	222	deblnk: ldax d
013E	FE20	223	cpi ' '
0140	CA4901	C 224	jz dblnk1
0143	FE09	225	cpi 09h
0145	CA4901	C 226	jz dblnk1
0148	C9	227	ret
0149	13	228	dblnk1: inx d
014A	C33D01	C 229	jmp deblnk
		230	END

PUBLIC SYMBOLS
 PARSE C 0000

EXTERNAL SYMBOLS

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USER SYMBOLS

DBLNK1 C 0149	DEBLNK C 013D	DELIM C 00FB	DELIM1 C 0136	DELIM2 C 0139	PADFLD C 00F3	PARS81 C 0091
PARS82 C 0092	PARSE C 0000	PARSE1 C 0021	PARSE2 C 004F	PARSE3 C 0052	PARSE4 C 0064	PARSE5 C 0068
PARSE6 C 006A	PARSE7 C 007E	PARSE8 C 0082	PARSE9 C 00A3	PWFLD C 00CC	PWFLD1 C 00DF	SETFD1 C 00BE
SETFD2 C 00C0	SETFD3 C 00C4	SETFLD C 00A9				

ASSEMBLY COMPLETE, NO ERRORS

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